

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1308446

Luminaire Tested: LDSQA3D20R359027D010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308446
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R359027D010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

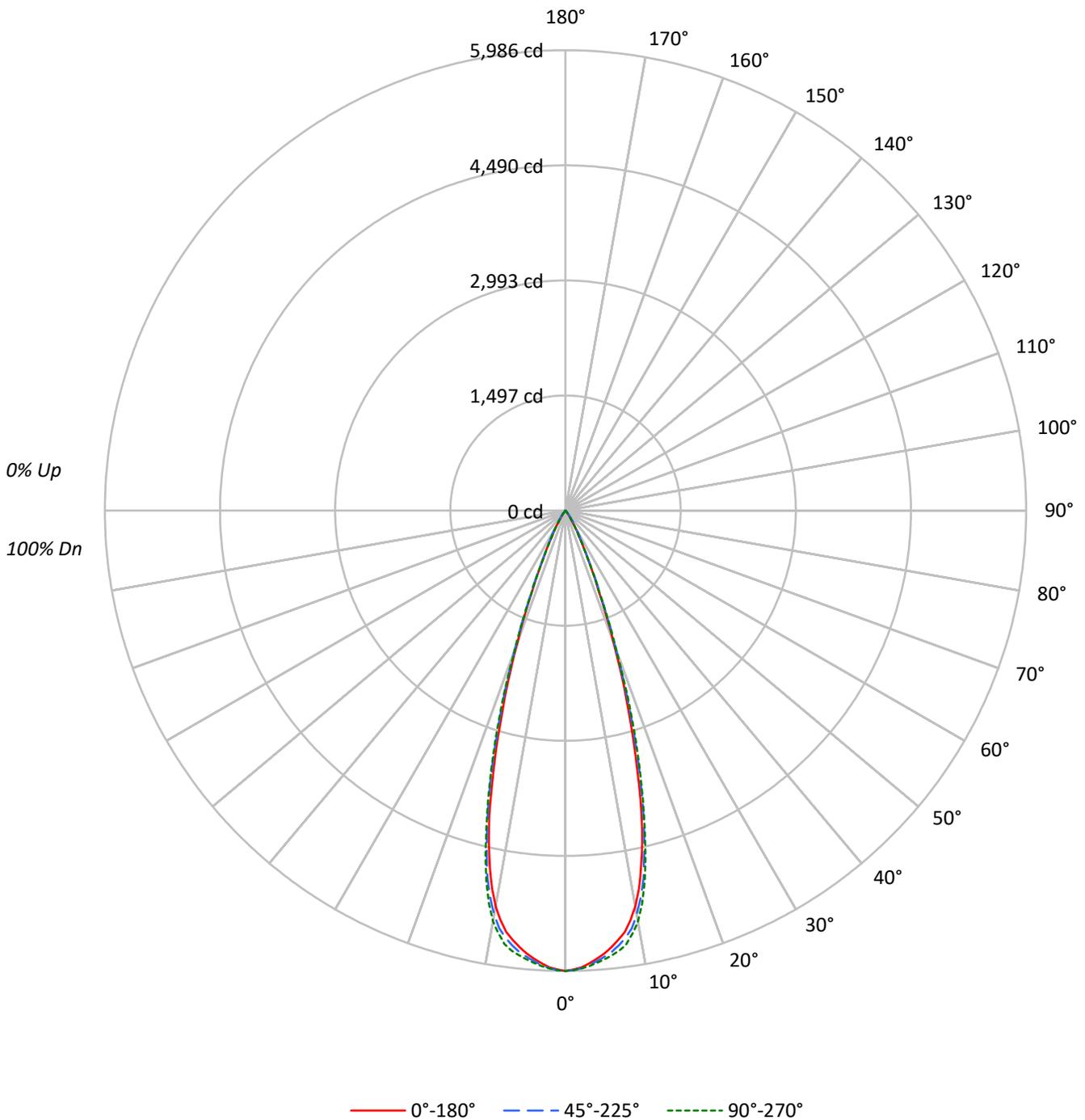
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1993.0 lumens
Efficiency: N/A
Efficacy: 69.2 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	98	98	98	96
2	111	107	104	102	109	106	103	100	102	100	98	100	98	96	97	96	94	94	94	94	93
3	107	102	99	96	105	101	98	95	99	96	94	96	94	92	94	92	91	94	92	91	89
4	104	98	94	91	102	97	93	90	95	92	89	93	91	88	92	89	87	92	89	87	86
5	100	94	90	87	99	93	90	87	92	88	86	90	87	85	89	86	84	89	86	84	83
6	97	91	86	83	96	90	86	83	89	85	83	88	84	82	86	84	82	86	84	82	80
7	94	88	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	84	81	79	78
8	91	85	80	77	91	84	80	77	83	80	77	82	79	77	81	79	76	81	79	76	75
9	89	82	78	75	88	81	77	75	81	77	74	80	77	74	79	76	74	79	76	74	73
10	86	79	75	72	85	79	75	72	78	75	72	78	74	72	77	74	72	77	74	72	71

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1030890	1030890	1030890
5°	999630	1006718	1012181
10°	913465	932790	948808
15°	656903	685609	691244
20°	334441	351229	352091
25°	126881	129579	125988
30°	49279	57134	48026
35°	16925	26554	15937
40°	5688	10297	5328
45°	390	3459	390
50°	0	429	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 3459 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	541.8	27.2
10°-20°	1009.5	50.7
20°-30°	362.9	18.2
30°-40°	70.8	3.6
40°-50°	7.9	0.4
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1914.2	96.0
0°-40°	1985.1	99.6
0°-60°	1993.0	100.0
0°-90°	1993.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1993.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5986	5986	5986	5986	5986	
5°	5782	5798	5823	5850	5855	536
15°	3684	3746	3845	3872	3877	979
25°	668	674	682	677	663	350
35°	80	92	126	93	76	60
45°	2	5	14	5	2	4
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5985.8	5985.8	5985.8	5985.8	5985.8
1°	5968.5	5976.4	5977.9	5989.0	5976.4
2°	5943.2	5948.0	5954.3	5963.7	5957.4
3°	5894.3	5903.8	5918.0	5930.6	5930.6
4°	5842.2	5854.8	5872.2	5894.3	5892.7
5°	5782.2	5798.0	5823.2	5850.1	5854.8
6°	5706.4	5725.4	5766.4	5804.3	5810.6
7°	5625.9	5654.3	5693.8	5749.1	5763.3
8°	5531.2	5553.3	5610.1	5674.9	5690.6
9°	5392.3	5425.5	5498.1	5558.1	5567.5
10°	5223.4	5247.1	5333.9	5397.0	5425.5
11°	5005.6	5040.3	5125.5	5190.3	5209.2
12°	4727.7	4778.3	4877.7	4925.1	4940.8
13°	4427.8	4470.4	4547.8	4606.2	4618.8
14°	4090.0	4131.0	4211.6	4258.9	4247.9
15°	3684.3	3745.9	3845.3	3872.2	3876.9
17.5°	2721.4	2760.9	2849.3	2891.9	2921.9
20°	1824.8	1862.7	1916.4	1944.8	1921.1
22.5°	1109.7	1141.3	1169.7	1168.1	1160.2
25°	667.7	674.0	681.9	677.2	663.0
27.5°	389.9	407.3	430.9	415.2	391.5
30°	247.8	262.0	287.3	260.5	241.5
32.5°	131.0	165.7	192.6	156.3	137.3
35°	80.5	91.6	126.3	93.1	75.8
37.5°	48.9	56.8	78.9	55.2	44.2
40°	25.3	36.3	45.8	33.1	23.7
42.5°	7.9	17.4	25.3	15.8	7.9
45°	1.6	4.7	14.2	4.7	1.6
47.5°	0.0	0.0	6.3	1.6	0.0
50°	0.0	0.0	1.6	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)